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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/784,709	02/23/2004	Paul Weatherbee	MAE-WW-2	1478	
7	590 06/22/2006		EXAM	INER	
Michael A. E			TRIEU, THERESA		
8202 Talbot Co Austin, TX 7			ART UNIT	PAPER NUMBER	
•			3748		
			DATE MAILED: 06/22/2000	DATE MAILED: 06/22/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
	10/784,709	WEATHERBEE, PAI	UL
Office Action Summary	Examiner	Art Unit	
	Theresa Trieu	3748	
The MAILING DATE of this communication a Period for Reply	appears on the cover sheet wit	h the correspondence addr	ess
A SHORTENED STATUTORY PERIOD FOR REI WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory peri - Failure to reply within the set or extended period for reply will, by sta Any reply received by the Office later than three months after the may earned patent term adjustment. See 37 CFR 1.704(b).	B DATE OF THIS COMMUNIC R 1.136(a). In no event, however, may a re iod will apply and will expire SIX (6) MONT atute, cause the application to become ABA	ATION. ply be timely filed HS from the mailing date of this common that the mailing date of this common that the common that	
Status			
1)⊠ Responsive to communication(s) filed on 06	6 March 2006.		
2a) This action is FINAL . 2b) ⊠ T	his action is non-final.		
3) Since this application is in condition for allow	wance except for formal matte	rs, prosecution as to the n	nerits is
closed in accordance with the practice unde	er <i>Ex parte Quayle</i> , 1935 C.D.	11, 453 O.G. 213.	
Disposition of Claims	·		
4) ⊠ Claim(s) 1,2,18-23,28,29,32,33,47-50,53 are 4a) Of the above claim(s) is/are without 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) 1,2,18-23,28,29,32,33,47-50,53 are 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and	drawn from consideration. and 54 is/are rejected.	olication.	ì
Application Papers			
9) The specification is objected to by the Exam 10) The drawing(s) filed on is/are: a) a Applicant may not request that any objection to the Replacement drawing sheet(s) including the cortain. The oath or declaration is objected to by the	accepted or b) objected to be the drawing(s) be held in abeyand rection is required if the drawing(ce. See 37 CFR 1.85(a). s) is objected to. See 37 CFR	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for fore a) All b) Some * c) None of: 1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the papplication from the International Bur * See the attached detailed Office action for a	ents have been received. ents have been received in Appriority documents have been reau (PCT Rule 17.2(a)).	oplication No received in this National Si	tage
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/Paper No(s)/Mail Date Feb. 23, 2004.	Paper No(s	ummary (PTO-413) //Mail Date formal Patent Application (PTO-1	152)
	e Action Summary	Part of Paper No./Mail Date	∍ 20060526

DETAILED ACTION

Election/Restrictions

Applicant's election of the species of Figures 19-20 in Paper No. 4 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).

Applicant's reason for traverse that the instant application contains a generic claim and reserves the right to file a divisional/continuations application is acknowledge; however, not a proper traverse for a restriction requirement.

Accordingly, the requirement is still deemed proper and is therefore made FINAL.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 2, 18-23, 28, 29, 32, 33, 47-50, 53 and 54 are rejected under 35 U.S.C. 102(b) as being anticipated by Turner (Patent Number 6,241,493).

Regarding claims 1, 2, 18-21, as shown in Figs. 1, 8 and 9, Turner discloses a fluid machine comprising: a housing (12) having a wall defining a generally spherical interior, the housing having at least one port opening (24, 26) in communication with the interior of the housing; a first shaft (32) mounted for rotation relative to the housing about a primary axis (33), wherein at least a portion of the first shaft extends through the housing wall; at least one primary

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vane (50A, 50B) disposed within the interior of the housing that rotates about the primary axis of the first shaft; at least one secondary vane (98A, 98B) disposed within the interior of the housing and mounted to the primary vane on a first pivotal axis, the secondary vane pivotally oscillating between alternating relatively open and closed positions with respect to the primary vane and defining at least a chamber within the housing interior having a volume which varies as the primary vane is rotated about the primary axis; wherein first and second fluids flow through the fluid machine (see col. 10, line 16-col.11, line 1-25); the first fluid being used to power the machine and the second fluid is pumped, compressed, or vacuum pumped; the secondary/primary vane (98A, 98B; 50A, 50B) being adjusted in weight or density so as to provide momentum near the relatively closed position with respect to the primary vane (50A, 50B) that balances the force exerted upon the secondary vane by the fluid pressurized in the at least one chamber; the adjustment being achieved by modifying the density of the materials of manufacture of the secondary vane (98A, 98B); the adjustment is achieved by modifying the amount of void space or total material in the construction of the secondary vane (98A, 97B).

Regarding claims 22, 23, 28, and 29, Turner discloses the secondary vane (98A, 98B) is pivotally coupled to a carrier ring (116), so that the secondary vane is pivotal about a second pivotal axis perpendicular to the axis of rotation (33) of the carrier ring causing the secondary vane to reciprocate between relatively open and closed positions as the secondary vane is rotated about the primary axis by the first shaft; the axis of rotation of the carrier ring being oriented at an oblique angle in relation to the primary axis of the first shaft (32); a second shaft (40) that extends into the interior of the housing opposite the rotary shaft, the second shaft having a spherical portion about which the primary vane (50A, 50B) rotates and wherein the carrier ring is

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rotatably carried on the spherical portion of the second shaft; seals being installed on both primary and secondary vanes (50A, 50B, 98A, 98B) to contact the housing during operation and wherein seals are installed on both primary and secondary vanes to contact the spherical portion of the second shaft during operation; the second shaft (40) being adjustably mounted to the housing so that the second shaft (40) can be oriented in various fixed positions, and further comprising; an adjustable vane guide bearing member disposed within the housing, wherein the adjustable vane guide bearing member oscillates the secondary vane between relatively open and closed positions relative to the primary vane in response to rotation of the primary vane (50A, 50B), varying the point during rotation of the first shaft and the primary vane at which the secondary vane reaches the relatively open and closed positions relative to the housing and the port opening so that communication of the port opening with the chamber is adjusted and therefore the fluid flow volume and/or direction is adjusted (see claim 41).

The method claims 32, 33, 47-50, 53 and 54 are inherent in the operation of the Turner device.

Prior Art

The IDS (PTO-1449) filed on Feb. 23, 2004 has been considered. An initialized copy is attached hereto.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure and consists of three patents: Gerken (Publication Number DE 808,915), Gidulyan (Publication Number SU 693-047), and Berger (Publication Number DE 4020134), each further discloses a state of the art.

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Any inquiry concerning this communication or earlier communications from the

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examiner should be directed to Theresa Trieu whose telephone number is 571-272-4868. The

examiner can normally be reached on Monday-Friday 8:30am- 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Thomas E. Denion can be reached on 571-272-4859. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

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applications is available through Private PAIR only. For more information about the PAIR

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like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

TT

May 26, 2006

Theresa Trieu

Primary Examiner

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